

product datasheet

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www.evolutionfasteners.co.uk


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Designed for:	Fixing to concrete in heavy duty applications.
Drive Bit:	Hex socket
Coating:	Electroplated zinc
Shank Material:	Carbon steel
Material Grade:	AISI 10B21
Effective Thread Length:	All sizes fully threaded

Anchorbolts Range			
Product Code	Size *	Box Qty	Carton Qty
EAB840	8mm x 40mm	100	1,200
EAB875	8mm x 75mm	100	800
EAB8100	8mm x 100mm	50	600
EAB8130	8mm x 130mm	50	600
EAB8150	8mm x 150mm	25	400
EAB10575	10.5mm x 75mm	50	600
EAB105100	10.5mm x 100mm	50	400
EAB105130	10.5mm x 130mm	25	300
EAB105150	10.5mm x 150mm	25	300
EAB12575	12.5mm x 75mm	50	400
EAB125100	12.5mm x 100mm	25	300
EAB125130	12.5mm x 130mm	25	200
EAB125150	12.5mm x 150mm	20	240
EAB1675	16mm x 75mm	25	300
EAB16100	16mm x 100mm	10	160
EAB16150	16mm x 150mm	15	120

* please note that the diameters shown refer to inside thread diameters.

Anchorbolts Basic Setting Data							
Product Code	Embedment Depth	Fixture Thickness Range	Min. Edge Distance	Min. Bolt Spacing	Wrench Size	Setting Torque	Drill Bit Diameter
EAB840	30mm	0.0 - 10.0mm	50mm	50mm	13mm	25Nm	8mm
EAB875	60mm	0.0 - 15.0mm	50mm	50mm	13mm	25Nm	8mm
EAB8100	60mm	0.0 - 40.0mm	50mm	50mm	13mm	25Nm	8mm
EAB8130	60mm	0.0 - 70.0mm	50mm	50mm	13mm	25Nm	8mm
EAB8150	60mm	0.0 - 90.0mm	50mm	50mm	13mm	25Nm	8mm
EAB10575	60mm	0.0 - 15.0mm	50mm	50mm	13mm	35Nm	10mm
EAB105100	60mm	0.0 - 40.0mm	50mm	50mm	13mm	35Nm	10mm
EAB105130	60mm	0.0 - 70.0mm	50mm	50mm	13mm	35Nm	10mm
EAB105150	60mm	0.0 - 90.0mm	50mm	50mm	13mm	35Nm	10mm
EAB12575	60mm	0.0 - 15.0mm	50mm	50mm	15mm	45Nm	12mm
EAB125100	70mm	0.0 - 30.0mm	50mm	50mm	15mm	45Nm	12mm
EAB125130	70mm	0.0 - 60.0mm	50mm	50mm	15mm	45Nm	12mm
EAB125150	70mm	0.0 - 70.0mm	50mm	50mm	15mm	45Nm	12mm
EAB1675	60mm	0.0 - 15.0mm	80mm	60mm	19mm	55Nm	16mm
EAB16100	70mm	0.0 - 30.0mm	80mm	60mm	19mm	55Nm	16mm
EAB16150	70mm	0.0 - 80.0mm	80mm	60mm	19mm	55Nm	16mm

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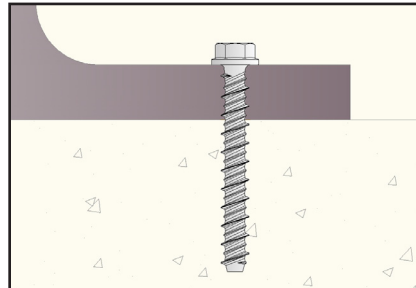
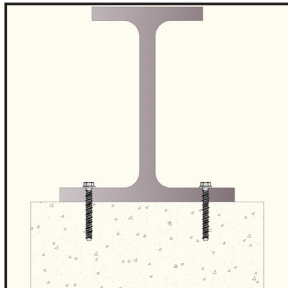
Anchors



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Anchorbolts Advanced Setting Data

Product Code	Loaded Diameter *	Drill Hole Diameter	Max. Thread Diameter	Fixture Clearance Hole Diameter	Appropriate Evolution SDS Plus Drill Product Code
EAB840	8mm	8mm	9.2mm	10mm	SDSH8260
EAB875	8mm	8mm	9.2mm	10mm	SDSH8260
EAB8100	8mm	8mm	9.2mm	10mm	SDSH8260
EAB8130	8mm	8mm	9.2mm	10mm	SDSH8260
EAB8150	8mm	8mm	9.2mm	10mm	SDSH8260
EAB10575	10.5mm	10mm	12mm	14mm	SDS10260
EAB105100	10.5mm	10mm	12mm	14mm	SDS10260
EAB105130	10.5mm	10mm	12mm	14mm	SDS10260
EAB105150	10.5mm	10mm	12mm	14mm	SDS10260
EAB12575	12.5mm	12mm	13.5mm	16mm	SDS12260
EAB125100	12.5mm	12mm	13.5mm	16mm	SDS12260
EAB125130	12.5mm	12mm	13.5mm	16mm	SDS12260
EAB125150	12.5mm	12mm	13.5mm	16mm	SDS12260
EAB1675	16mm	16mm	17.5mm	18mm	SDS16260
EAB16100	16mm	16mm	17.5mm	18mm	SDS16260
EAB16150	16mm	16mm	17.5mm	18mm	SDS16260

* NOTE: Similarity between loaded diameter and drill hole diameter is purely coincidental.

NOTE:

The data contained in this table is subject to change. Evolution Fasteners is currently seeking full CE marking and approval under EOTA (European Office of Technical Approvals) ETA (European Technical Approval) 001: "Guideline for European Technical Approval of Metal Anchors for Use in Concrete. Part 6: Anchors for multiple use for non-structural applications."

For information on the influence of anchor spacings, edge distances, concrete grades, etc please e-mail: technical@evolutionfasteners.co.uk or call +44 (0)141 647 7100 and ask to speak to someone in our Technical Department.

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Mean Ultimate Load ($N_{R,m}$) in kN in Un-cracked Concrete Substrate

Nominal Diameter		8.0mm		10.5mm	12.5mm		16.0mm	
Embedment Depth		35.0mm	40.0mm	60.0mm	60.0mm	70.0mm	60.0mm	70.0mm
Concrete Compressive Strength (N/mm^2)	C20/25	5.08kN	7.49kN	11.98kN	8.72kN	10.28kN	11.61kN	14.83kN
	C30/37	5.59kN	8.24kN	13.18kN	9.59kN	11.31kN	12.77kN	16.31kN
	C40/50	6.50kN	9.74kN	15.57kN	11.34kN	13.36kN	15.09kN	19.28kN
	C50/60	7.11kN	10.49kN	16.77kN	12.21kN	14.39kN	16.25kN	20.76kN

5.0% Fractile of Ultimate Load ($N_{R,k}$) in kN in Un-cracked Concrete Substrate

Nominal Diameter		8.0mm		10.5mm	12.5mm		16.0mm	
Embedment Depth		35.0mm	40.0mm	60.0mm	60.0mm	70.0mm	60.0mm	70.0mm
Concrete Compressive Strength (N/mm^2)	C20/25	3.48kN	4.77kN	8.58kN	6.27kN	4.52kN	6.81kN	8.70kN
	C30/37	3.83kN	5.25kN	9.44kN	6.90kN	4.97kN	7.49kN	9.57kN
	C40/50	4.52kN	6.20kN	11.15kN	8.15kN	5.88kN	8.85kN	11.31kN
	C50/60	4.87kN	6.68kN	12.01kN	8.78kN	6.33kN	9.53kN	12.18kN

Mean Ultimate Load ($N_{R,m}$) in kN in Cracked Concrete Substrate

Nominal Diameter		8.0mm		10.5mm	12.5mm		16.0mm	
Embedment Depth		35.0mm	40.0mm	60.0mm	60.0mm	70.0mm	60.0mm	70.0mm
Concrete Compressive Strength (N/mm^2)	C20/25	3.60kN	4.60kN	7.97kN	5.32kN	6.40kN	8.65kN	10.38kN
	C30/37	3.96kN	5.06kN	8.77kN	5.85kN	7.04kN	9.52kN	11.42kN
	C40/50	4.68kN	5.98kN	10.36kN	6.92kN	8.32kN	11.25kN	13.94kN
	C50/60	5.04kN	6.44kN	11.16kN	7.45kN	8.96kN	12.11kN	14.53kN

5.0% Fractile of Ultimate Load ($N_{R,k}$) in kN in Cracked Concrete Substrate

Nominal Diameter		8.0mm		10.5mm	12.5mm		16.0mm	
Embedment Depth		35.0mm	40.0mm	60.0mm	60.0mm	70.0mm	60.0mm	70.0mm
Concrete Compressive Strength (N/mm^2)	C20/25	2.99kN	2.55kN	4.89kN	1.92kN	4.74kN	2.65kN	4.90kN
	C30/37	3.29kN	2.81kN	5.38kN	2.11kN	5.21kN	2.92kN	5.39kN
	C40/50	3.89kN	3.32kN	6.36kN	2.50kN	6.16kN	3.45kN	6.37kN
	C50/60	4.19kN	3.57kN	6.85kN	3.07kN	6.64kN	3.71kN	6.86kN

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